

**PART B - FEE(S) TRANSMITTAL**

Complete and send this form, together with applicable fee(s), to: **Mail**

**Mail Stop ISSUE FEE**  
Commissioner for Patents  
P.O. Box 1450  
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**or Fax** (703) 746-4000

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

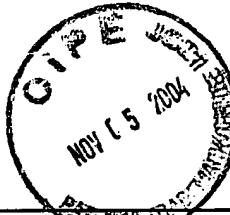
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

26111 7590 09/28/2004

**STERNE, KESSLER, GOLDSTEIN & FOX PLLC**  
1100 NEW YORK AVENUE, N.W.  
WASHINGTON, DC 20005

11/08/2004 SDENB0B2 00000006 10812975

01 FC:1501 1370.00 OP  
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03 FC:8001 9.00 OP



Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

**Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

(Depositor's name)

(Signature)

(Date)

| APPLICATION NO. | FILING DATE | NAME NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|---------------------|---------------------|------------------|
| 10/812,975      | 03/31/2004  | Minsheng Wang       | 1875.3750001        | 5953             |

**TITLE OF INVENTION: HARDWARE-EFFICIENT IMPLEMENTATION OF DYNAMIC ELEMENT MATCHING IN SIGMA-DELTA DAC'S**

| APPLN. TYPE    | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO           | \$1370    | \$300           | \$1670           | 12/28/2004 |

| EXAMINER       | ART UNIT | CLASS-SUBCLASS |
|----------------|----------|----------------|
| NGUYEN, KHAI M | 2819     | 341-143000     |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Sterne, Kessler,  
Goldstein & Fox P.L.L.C.  
2 \_\_\_\_\_  
3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

**Broadcom Corporation**

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

**Irvine, CA**

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

4a. The following fee(s) are enclosed:

Issue Fee  
 Publication Fee (No small entity discount permitted)  
 Advance Order - # of Copies Three (3)

4b. Payment of Fee(s):

A check in the amount of the fee(s) is enclosed.  
 Payment by credit card. Form PTO-2038 is attached.  
 The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 19-0036 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.  b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_

Typed or printed name George S. Bardmesser,

Date 11/5/04

Registration No. Reg. No. 44,020

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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November 5, 2004

**WRITER'S DIRECT NUMBER:**  
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Commissioner for Patents  
 PO Box 1450  
 Alexandria, VA 22313-1450

**Mail Stop Issue Fee**

Re: U.S. Allowed Utility Patent Application  
 Appl. No. 10/812,975; Filed: March 31, 2004  
 For: **Hardware-Efficient Implementation of Dynamic  
 Element Matching in Sigma-Delta DAC's**  
 Inventors: Wang *et al.*  
 Our Ref: 1875.3750001/RES/GSB

Sir:

In response to the **Notice of Allowance and Issue Fee Due** dated September 28, 2004, the following documents are forwarded for appropriate action by the U.S. Patent and Trademark Office:

1. Credit Card Payment Form (PTO-2038);
2. Fee Transmittal Form (PTO/SB/17);
3. Issue Fee Transmittal Form (PTOL-85); and
4. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. If extensions of time under 37 C.F.R. § 1.136 other than those otherwise provided for herewith are required to prevent abandonment of the

Commissioner for Patents  
November 5, 2004  
Page 2

present patent application, then such extensions of time are hereby petitioned, and any fees therefor are hereby authorized to be charged to our Deposit Account No. 19-0036.

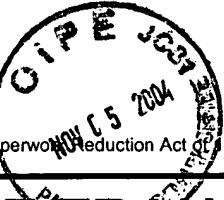
Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



George S. Bardmesser  
Attorney for Applicants  
Registration No. 44,020

RES/GSB/mlb  
Enclosures  
331537\_1.DOC



# FEE TRANSMITTAL for FY 2005

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1679.00)

## Complete if Known

|                      |                      |
|----------------------|----------------------|
| Application Number   | 10/812,975           |
| Filing Date          | March 31, 2004       |
| First Named Inventor | Minsheng Wang        |
| Examiner Name        | Nguyen, Khai M.      |
| Art Unit             | 2819                 |
| Attorney Docket No.  | 1875.3750001/RES/GSB |

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money Order  Other\*\*  None

\*\*Charge any deficiencies or credit any overpayments in

Deposit Account: the fees to Deposit Acct. No. 19-0036.

 Deposit Account Number **19-0036**  
 Deposit Account Name **Sterne, Kessler, Goldstein & Fox  
P.L.L.C.**

The Director is authorized to: (check all that apply)

 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee  
 to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity             | Small Entity  | Fee Description        | Fee Paid |
|--------------------------|---------------|------------------------|----------|
| Fee Code (\$)            | Fee Code (\$) |                        |          |
| 1001 790                 | 2001 395      | Utility filing fee     |          |
| 1002 350                 | 2002 175      | Design filing fee      |          |
| 1003 550                 | 2003 275      | Plant filing fee       |          |
| 1004 790                 | 2004 395      | Reissue filing fee     |          |
| 1005 160                 | 2005 80       | Provisional filing fee |          |
| <b>SUBTOTAL (1) (\$)</b> |               | <b>0.00</b>            |          |

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

|                    | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| Total Claims       | 20           | **= X =        |          |
| Independent Claims | 3            | **= X =        |          |
| Multiple Dependent |              |                |          |

| Large Entity             | Small Entity  | Fee Description  |
|--------------------------|---------------|--|
| Fee Code (\$)            | Fee Code (\$) |  |
| 1202 18                  | 2202 9        | Claims in excess of 20                                     |
| 1201 88                  | 2201 44       | Independent claims in excess of 3                          |
| 1203 300                 | 2203 150      | Multiple dependent claim, if not paid                      |
| 1204 86                  | 2204 43       | ** Reissue independent claims over original patent         |
| 1205 18                  | 2205 9        | ** Reissue claims in excess of 20 and over original patent |
| <b>SUBTOTAL (2) (\$)</b> |               | <b>0.00</b>  |

\*\*or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

| Large Entity  | Small Entity  | Fee Description  | Fee Paid      |
|---|---------------|--|---------------|
| Fee Code (\$)   | Fee Code (\$) |  |               |
| 1051 130  | 2051 65       | Surcharge - late filing fee or oath  |               |
| 1052 50   | 2052 25       | Surcharge - late provisional filing fee or cover sheet                     |               |
| 1053 130  | 1053 130      | Non-English specification  |               |
| 1812 2,520  | 1812 2,520    | For filing a request for ex parte reexamination                            |               |
| 1804 920*   | 1804 920*     | Requesting publication of SIR prior to Examiner action                     |               |
| 1805 1,840*   | 1805 1,840*   | Requesting publication of SIR after Examiner action                        |               |
| 1251 110  | 2251 55       | Extension for reply within first month                                     |               |
| 1252 430  | 2252 215      | Extension for reply within second month                                    |               |
| 1253 980  | 2253 490      | Extension for reply within third month                                     |               |
| 1254 1,530  | 2254 765      | Extension for reply within fourth month                                    |               |
| 1255 2,080  | 2255 1,040    | Extension for reply within fifth month                                     |               |
| 1401 340  | 2401 170      | Notice of Appeal   |               |
| 1402 340  | 2402 170      | Filing a brief in support of an appeal                                     |               |
| 1403 300  | 2403 150      | Request for oral hearing   |               |
| 1451 1,510  | 1451 1,510    | Petition to institute a public use proceeding                              |               |
| 1452 110  | 2452 55       | Petition to revive - unavoidable   |               |
| 1453 1,370  | 2453 685      | Petition to revive - unintentional   |               |
| 1501 1,370  | 2501 685      | Utility issue fee (or reissue)   | 1370.00       |
| 1502 490  | 2502 245      | Design issue fee   |               |
| 1503 660  | 2503 330      | Plant issue fee  |               |
| 1460 130  | 1460 130      | Petitions to the Commissioner  |               |
| 1807 50   | 1807 50       | Processing fee under 37 CFR 1.17(q)  |               |
| 1806 180  | 1806 180      | Submission of Information Disclosure Stmt                                  |               |
| 8021 40   | 8021 40       | Recording each patent assignment per property (times number of properties) |               |
| 1809 790  | 2809 395      | Filing a submission after final rejection (37 CFR 1.129(a))                |               |
| 1810 790  | 2810 395      | For each additional invention to be examined (37 CFR 1.129(b))             |               |
| 1801 790  | 2801 395      | Request for Continued Examination (RCE)                                    |               |
| 1802 900  | 1802 900      | Request for expedited examination of a design application                  |               |
| Other fee (specify) <b>Patent Copies (9.00) and Pub. Fee (300.00)</b> |               |  | <b>309.00</b> |

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

1679.00

## SUBMITTED BY

| Name (Print/Type) | George S. Bardmesser | Registration No. (Attorney/Agent) | 44,020 | Telephone | (202) 371-2600 |
|-------------------|----------------------|-----------------------------------|--------|-----------|----------------|
| Signature         | 11/5/04              |                                   |        |           |                |

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